

# MATERIAL SAFETY DATA SHEET

Total Solutions  
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GENERAL INFORMATION NUMBER: (414) 354-6417  
CHEMTREC: (800) 424-9300

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## I - Product Identification

### Triple Threat Foaming Selective Herbicide

PRODUCT CODE: 8363

CHEMICAL FORMULATION: Pressurized selective herbicide.

NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: 1

FLAMMABILITY: 1

REACTIVITY: 0

HAZARD RATING: 4 - Extreme; 3 - High; 2 - Moderate; 1 - Slight; 0 - Insignificant

## II - Hazardous Ingredients

Values reported as TWA unless noted.

SUBSTANCE	APPROX %	OSHA PEL	ACGIH TLV	EPA 40 CFR:			CAS #
				302	355	372	
Dimethylamine Salt of 2,4-dichlorophenoxyacetic acid	0.326	10mg/m <sup>3</sup>	N/E	Y	N	N	2008-39-1
Dimethylamine Salt of 2-(2,4-Dichlorophenoxy) Propionic acid	0.324	N/E	N/E	Y	N	N	53404-32-3
Dimethylamine Salt of 2-(2-Methyl-4-Chlorophenoxy) Propionic acid	0.328	N/E	N/E	Y	N	N	32351-70-5

Key: PEL: Permissible Exposure Limit TLV: Threshold Limit Value C: Ceiling level STEL: Short Term Exposure Limit  
N/A: Not Applicable N/D: Not Determined N/E: Not Established Y: Yes N: No  
302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).  
355: SARA TITLE III / List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).  
372: SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

## III - Physical Data

BOILING POINT (°F): 212\*

SPECIFIC GRAVITY (WATER = 1): 1.004\*

VAPOR PRESSURE (mm Hg): Equal to water

VOC CONTENT (% by weight): N/D

VAPOR DENSITY (AIR = 1): N/D

EVAPORATION RATE (WATER = 1): >1.0\*

SOLUBILITY IN WATER: Soluble

pH: 7.50-8.50\*

APPEARANCE AND ODOR: Clear, light brown liquid; characteristic amine odor.\*

\*Tested using the liquid component

## IV - Fire and Explosion Hazard Data

FLASH POINT (°F): N/A\*

(TEST METHOD): Closed cup

NFPA 30B Rating: 1

FLAMMABLE LIMITS IN AIR (VOLUME %)

UPPER: N/A

LOWER: N/A

FLAME EXTENSION: N/D

EXTINGUISHING MEDIA: Water fog, foam, carbon dioxide, dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: Cool fire exposed containers with water fog. Firefighters should be equipped with full protective gear including self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARD: May produce toxic and noxious fumes under extreme fire conditions. Contain runoff to prevent contamination of public water systems.

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**V - Reactivity Data**

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**STABILITY:** Stable

**INCOMPATIBILITY:** Strong oxidizers and acids.

**CONDITIONS TO AVOID:** Excess heat and open flame.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may produce oxides of nitrogen, HCl and chlorine gas.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** None

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**VI - Health Hazard Data**

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**ROUTES OF ENTRY**    **INHALATION:** X    **EYE CONTACT:** X    **SKIN CONTACT:** X    **INGESTION:** X

**INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED HUMAN CARCINOGENS:** None.

**EFFECTS OF OVEREXPOSURE**

**IF IN EYES:** Moderate irritation and redness.

**IF ON SKIN:** Prolonged exposure may cause mild skin irritation and dermal sensitization reactions. Harmful if absorbed through skin, may cause similar symptoms to ingestion.

**IF SWALLOWED:** May cause muscle weakness, nausea, vomiting, abdominal pain, fall in blood pressure or myotonia (prolonged muscular spasm) under extreme exposure conditions.

**IF INHALED:** Irritation to upper respiratory tract, dizziness.

**EMERGENCY AND FIRST AID PROCEDURES**

**IF IN EYES:** Flush eyes and under eyelids with plenty of cool water for at least 15 minutes. Obtain medical attention.

**IF ON SKIN:** Remove contaminated clothing and launder before re-use. Wash with plenty of soap and water. Obtain medical attention.

**IF SWALLOWED:** Contact physician or poison control center immediately. Give affected person 1 to 2 glasses of water and induce vomiting. Never give anything to an unconscious person.

**IF INHALED:** Remove person to fresh air. Perform artificial respiration if indicated. Call a physician immediately.

**NOTE TO PHYSICIAN:** Treat symptomatically.

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**VII - Spill or Leak Protection**

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**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Ventilate area and contain spill. Soak up with inert absorbent material and store in a properly labeled closed container for disposal. Treat contaminated area with detergent and water.

**WASTE DISPOSAL METHOD:** Consult local environmental authorities. Dispose of cans in non-incinerated trash only.

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**VIII - Special Protection Information**

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**RESPIRATORY PROTECTION:** Use with adequate ventilation. Use NIOSH approved respirator with organic vapor cartridge and pesticide pre-filter to avoid breathing spray mists if necessary.

**VENTILATION**

**LOCAL:** Recommended

**MECHANICAL:** Not required

**PROTECTIVE GLOVES:** Chemical resistant.

**EYE PROTECTION:** Chemical goggles and/or face shield.

**OTHER PROTECTIVE EQUIPMENT:** Impervious protective clothing.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Store in a cool, dry place away from heat or open flame. Do not contaminate water, feed or seed by storage or disposal.

**OTHER PRECAUTIONS:** Keep out of reach of children. Do not puncture or incinerate container.

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**IX - Transportation Information (ground transportation only)**

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**DOT PROPER SHIPPING NAME:** Consumer Commodity

**DOT CLASS:** ORM-D

**DOT ID NUMBER:** N/A

**DOT PACKING GROUP:** N/A

The shipping information listed above applies only to non-bulk (< 119 gallons) containers of this product. This product may have more than one proper shipping name depending on packaging, product properties, & mode of shipment. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may apply.

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**Prepared by:** PMR

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